

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FE241492	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2004/001881	International filing date (day/month/year) 26 JULY 2004 (26.07.2004)	(Earliest) Priority Date (day/month/year) 25 JULY 2003 (25.07.2003)
Applicant UTStarcom Korea Limited et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II)

3. Unity of invention is lacking (See Box No. III)

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 6

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

b. none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001881

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 1/69

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 1/69 707, 7/214 26, H04J 13/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
search terms : CDMA, spread spectrum, peak-to-average ratio, Walsh(orthogonal) code

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PY	US 20030157887 A1 21 Aug. 2003 claims 1-6	1-3
Y	US 5991262 A1 23 Nov. 1999 (Motorola Inc.) claims 1, 13	1-3
A	US 6310869 B1 30 Oct. 2001 claims 1, 10, 19, 29, 35	1-3
A	US 6396868 B1 28 May 2002 (Samsung Electronics Co.) claims 1, 4, 7, 12, 13, 15	1-3

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

28 OCTOBER 2004 (28.10.2004)

Date of mailing of the international search report

28 OCTOBER 2004 (28.10.2004)

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Faxsimile No. 82-42-472-7140

Authorized officer

JEONG, Jae Woo

Telephone No. 82-42-481-5718



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001881

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 20030157887 A1	21 Aug. 2003	WO 03/071707 A1	28 Aug. 2003
US 5991262 A1	23 Nov. 1999	EP 1021881 A1 JP 2001-517401 A WO 98/044668 A1	26 July 2000 2 Oct. 2001 8 Oct. 1998
US 6310869 B1	30 Oct. 2003	EP 1110360 A2 JP 2002-524911 WO 00/013337 A3	27 June 2001 6 Aug. 2002 9 Mar. 2000
US 6396868 B1	28 May 2002	EP 0903871 B1 JP 2947796 B2	24 Mar. 1999 2 July 1999